

SEPARATOR FOR BATTERY AND MANUFACTURE THEREOF

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Abstract of JP1248462

PURPOSE: To improve gas absorbency in charging and to lengthen life by using a separator made of a sulfuric acid treated porous body comprising polyvinyl alcohol fibers and polyolefin fibers.

CONSTITUTION: A sulfuric acid treated porous body comprising polyvinyl alcohol fibers and polyolefin fibers is used as a separator. A sulfuric acid solution is added to the porous body comprising polyvinyl alcohol fibers and polyolefin fibers and they are heated to introduce a sulfone group into a polyvinyl alcohol group. This porous body has no abnormal hydrophilic nature and retains proper hydrophilic nature for a long time. The difficulty of transfer of oxygen gas from a positive electrode to a negative electrode in charging is removed and the life of a battery is lengthened.

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